

RESIDENTIAL RISK SCREENING LEVELS FOR TCE IN AIR

Health-based screening levels are used to guide the investigation

- Set at protective levels to provide a sufficient margin of safety for everyone, including "sensitive" individuals (children and pregnant women)
- TCE in air at a level greater than the health-based screening levels does not necessarily pose a health risk, but indicates that additional evaluation may be warranted to determine if a potentially significant health risk could exist

For TCE, 1 ppbv = 5.37 $\mu\text{g}/\text{m}^3$

100

50

10

1

43 = 100 in one million cancer risk

0.43 - 2.0 = EPA's Long-term Health Protective Risk Range - cancer and non cancer (30 years)

2 = Reference concentration (RFC) to protect for non cancer health effects

0.43 = 1 in one million cancer risk

0.11 = Laboratory Detection Limit